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# *Idaho Cleanup Project*

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*safety*



*performance*



*cleanup*



*closure*

# *Idaho Cleanup Project Scope*

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- Transuranic Waste Disposition
- Low-Level and Mixed Low-Level Waste
- Advanced Mixed Waste Treatment Project
- Waste Area Group 7 (Radioactive Waste Management Complex)
  - Subsurface Disposal Area Record of Decision
  - Accelerated Retrieval Project Interim Actions
- Idaho CERCLA Disposal Facility
- CERCLA Remediation
  - Waste Area Group 1 – Test Area North
  - Waste Area Group 3 – Idaho Nuclear Technology and Engineering Center
  - Waste Area Group 10 – Site-wide Miscellaneous Sites/Snake River Plain Aquifer
- Pit 9 D&D



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# *Idaho Cleanup Project Scope (con't)*

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- Decontamination and Decommissioning
  - Test Area North
  - Reactor Technology Complex/Power Burst Facility
  - Idaho Nuclear Technology and Engineering Center
- Special Nuclear Materials Disposition
- Integrated Waste Treatment Unit (Sodium-Bearing Waste)
- INTEC Liquid Waste Treatment Facility (Tank Farm Closure)
- Spent Nuclear Fuel Disposition
- Calcine Disposition



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# *Low-level and Mixed Low-level Waste Project Objectives*

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- Provide waste management, packaging, and transportation services to Idaho National Lab (INL) and Idaho Cleanup Project (ICP)
- Dispose of low-level waste at the Subsurface Disposal Area pit
- Provide offsite disposal of low-level and mixed low-level waste
- Operate the Idaho CERCLA Disposal Facility (ICDF)
- Repack, treat, and/or dispose of the backlog mixed low-level waste



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# *Waste Area Group (WAG) 7 Project Objectives*

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- Non Time Critical Removal Actions Accelerated Retrieval Project I and II – Exhume targeted waste from the Subsurface Disposal Area
  - Disposition targeted waste (i.e., Rocky Flats 741 and 743 sludges, graphite waste, roaster oxides, filters/prefilters)
- Complete remediation work in accordance with the Records of Decision (RODs) for OU 7-08 (organic contamination in the vadose zone ), OU 7-12 (Pad A)
- Complete Comprehensive ROD and implement for WAG 7 (OU 7-13/14 Subsurface Disposal Area)



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## *Other CERCLA Remediation Project Objectives*

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- Complete TAN CERCLA remedial activities (e.g., V-tank waste disposal, contaminated soil remediation, groundwater plume remediation)
- Complete INTEC CERCLA remedial activities (e.g., Tank Farm soil remediation, remediation of releases located outside of Tank Farm, perched water reduction)
- Complete WAG 10 CERCLA remedial activities (e.g., groundwater monitoring, contaminated soil remediation, unexploded ordinance (UXO) remediation, ecological monitoring)



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# ***D&D – Test Area North/Reactor Technology Complex/Power Burst Facility Objectives***

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- Decommission and demolish five high-risk facilities and ~50 excess facilities by 2012 (in accordance with regulatory agreements)
  - Engineering Test Reactor
  - Materials Test Reactor
  - Loss of Fluid Test Facility
  - Test Area North Hot Shop
  - Power Burst Facility
- Complete Voluntary Consent Order and Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) remedial actions by 2012
  - Catch Tanks (RTC)
  - V-tanks (TAN)
  - TAN-666



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# *D&D – INTEC Project Objectives*

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- Demolish 112 excess facilities
- Demolish two high-risk facilities:
  - CPP-627 (Remote Analytical Facility - completed)
  - CPP-648 (Radioactive Solid and Liquid Waste Storage Tank System)
- Deactivate, decontaminate, and make demolition ready three high-risk facilities:
  - CPP-601 (Fuel Processing Facility)
  - CPP-603A (Basin Facility)
  - CPP-640 (Head End Fuel Processing Facility)



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# ***Special Nuclear Materials Disposition Project Objectives***

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- Dispose of all legacy, EM-owned, Unirradiated Special Nuclear Materials (693 items) by September 30, 2009
  - Determine to be waste and dispose in landfill designated to receive low-level waste
  - Send to Y-12 or Savannah River Site for reuse
  - Give to a research laboratory for use



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# *Integrated Waste Treatment Unit (Sodium-Bearing Waste) Project Objectives*

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- Design, construct, and test Integrated Waste Treatment Unit
- Process all sodium-bearing waste material
- Package and ship sodium-bearing waste offsite by 2012



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# *Spent Nuclear Fuel Disposition Project Objectives*

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- Transfer legacy, EM-owned spent nuclear fuel (SNF) from wet storage in the CPP-666 storage pool to appropriate dry storage by September 2009
- Receive and store SNF from the Advanced Test Reactor
- Receive DRR and FRR SNF for storage
- Prepare the SNF facilities for transition to another government entity by installing a segregation fence
- Provide safe, regulatory-compliant, routine operations for INTEC SNF handling and storage facilities until transition to another entity



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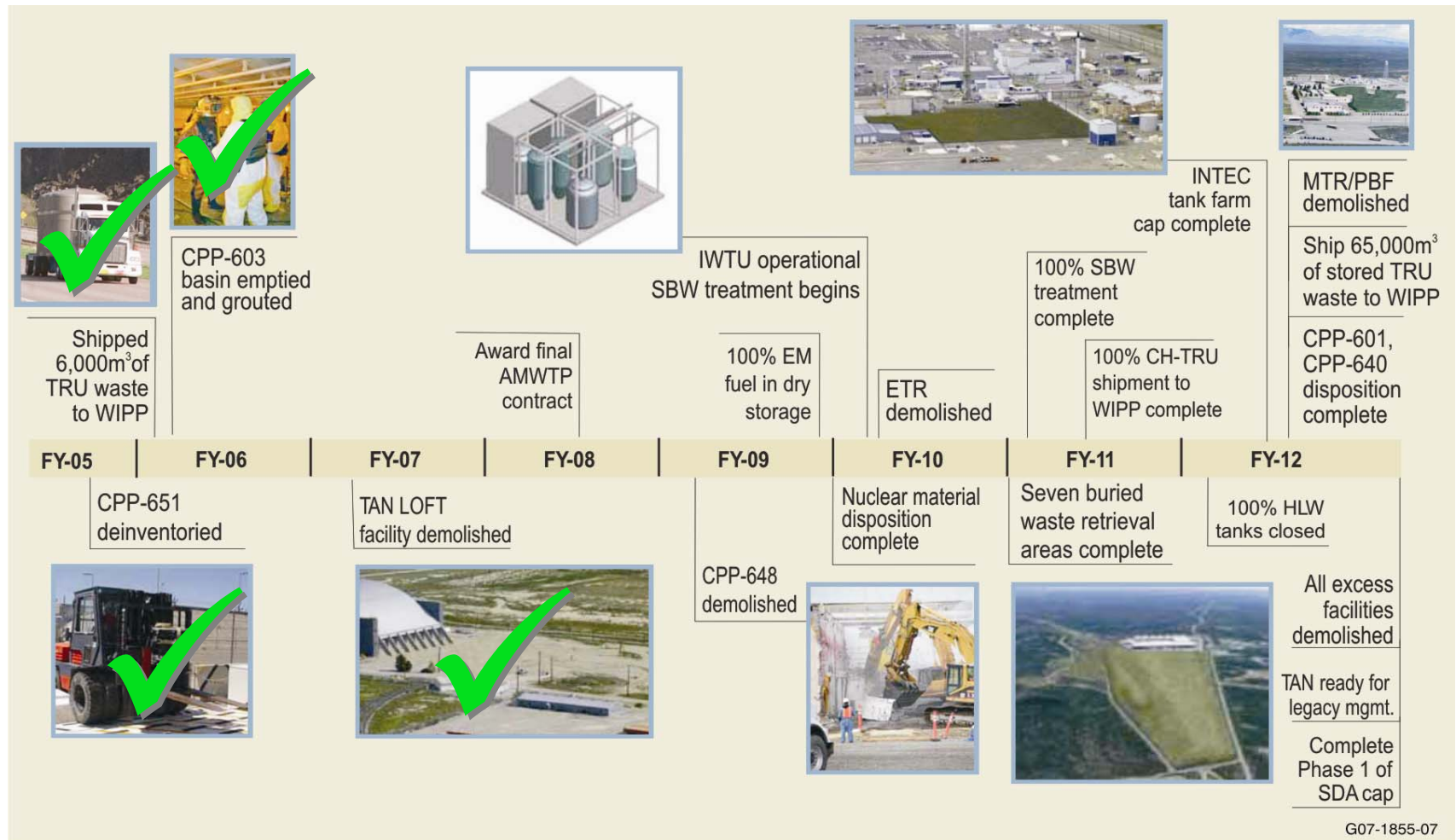


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# Key Activities/Completion Dates



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## *Items of Potential Interest*

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- WAG-7 Public Communication - late/early Fall.
- BEA expression of interest in taking over CPP-651
- Notice of Interest for Disposal of Greater than Class C Waste.
- AMWTP Procurement Action.
  - Plan to award by 4/30/2008
- CWI Workforce Restructuring
  - Per project baseline, anticipate reductions in FY08 due to work completions and skill mix adjustments

